

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 0917761232  
Source: FEW16  
Date Processed by STIC: 2-16-05

***ENTERED***



IFW16

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/776,232

DATE: 02/16/2005  
TIME: 15:41:09

Input Set : A:\MANNK.001CP2.TXT  
Output Set: N:\CRF4\02162005\I776232.raw

4 <110> APPLICANT: Kundig, Thomas M.  
5 Simard, John J. L.  
7 <120> TITLE OF INVENTION: METHOD OF INDUCING A CTL RESPONSE  
10 <130> FILE REFERENCE: MANNK.001CP2  
12 <140> CURRENT APPLICATION NUMBER: 09/776,232  
13 <141> CURRENT FILING DATE: 2001-02-02  
15 <150> PRIOR APPLICATION NUMBER: 09/380,534  
16 <151> PRIOR FILING DATE: 1999-09-01  
18 <150> PRIOR APPLICATION NUMBER: PCT/US98/14289  
19 <151> PRIOR FILING DATE: 1998-07-10  
21 <150> PRIOR APPLICATION NUMBER: 08/988,320  
22 <151> PRIOR FILING DATE: 1997-12-10  
24 <150> PRIOR APPLICATION NUMBER: CA 2,209,815  
25 <151> PRIOR FILING DATE: 1997-07-10  
27 <160> NUMBER OF SEQ ID NOS: 569  
29 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
31 <210> SEQ ID NO: 1  
32 <211> LENGTH: 9  
33 <212> TYPE: PRT  
34 <213> ORGANISM: Adenovirus 3  
36 <400> SEQUENCE: 1  
37 Leu Ile Val Ile Gly Ile Leu Ile Leu  
38 1 5  
41 <210> SEQ ID NO: 2  
42 <211> LENGTH: 10  
43 <212> TYPE: PRT  
44 <213> ORGANISM: Adenovirus 5  
46 <400> SEQUENCE: 2  
47 Ser Gly Pro Ser Asn Thr Pro Pro Glu Ile  
48 1 5 10  
51 <210> SEQ ID NO: 3  
52 <211> LENGTH: 9  
53 <212> TYPE: PRT  
54 <213> ORGANISM: Adenovirus 5  
56 <400> SEQUENCE: 3  
57 Val Asn Ile Arg Asn Cys Cys Tyr Ile  
58 1 5  
61 <210> SEQ ID NO: 4  
62 <211> LENGTH: 10  
63 <212> TYPE: PRT  
64 <213> ORGANISM: Adenovirus 5  
66 <400> SEQUENCE: 4  
67 Ser Gly Pro Ser Asn Ile Pro Pro Glu Ile

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68 1 5 10  
71 <210> SEQ ID NO: 5  
72 <211> LENGTH: 9  
73 <212> TYPE: PRT  
74 <213> ORGANISM: CSFV  
76 <400> SEQUENCE: 5  
77 Glu Asn Ala Leu Leu Val Ala Leu Phe  
78 1 5  
81 <210> SEQ ID NO: 6  
82 <211> LENGTH: 9  
83 <212> TYPE: PRT  
84 <213> ORGANISM: Dengue virus 4  
86 <400> SEQUENCE: 6  
87 Thr Pro Glu Gly Ile Ile Pro Thr Leu  
88 1 5  
91 <210> SEQ ID NO: 7  
92 <211> LENGTH: 9  
93 <212> TYPE: PRT  
94 <213> ORGANISM: EEV  
96 <400> SEQUENCE: 7  
97 Cys Leu Gly Gly Leu Leu Thr Met Val  
98 1 5  
101 <210> SEQ ID NO: 8  
102 <211> LENGTH: 9  
103 <212> TYPE: PRT  
104 <213> ORGANISM: EBV  
106 <400> SEQUENCE: 8  
107 Asn Ile Ala Glu Gly Leu Arg Ala Leu  
108 1 5  
111 <210> SEQ ID NO: 9  
112 <211> LENGTH: 9  
113 <212> TYPE: PRT  
114 <213> ORGANISM: EBV  
116 <400> SEQUENCE: 9  
117 Asn Leu Arg Arg Gly Thr Ala Leu Ala  
118 1 5  
121 <210> SEQ ID NO: 10  
122 <211> LENGTH: 9  
123 <212> TYPE: PRT  
124 <213> ORGANISM: EBV  
126 <400> SEQUENCE: 10  
127 Ala Leu Ala Ile Pro Gln Cys Arg Leu  
128 1 5  
131 <210> SEQ ID NO: 11  
132 <211> LENGTH: 9  
133 <212> TYPE: PRT  
134 <213> ORGANISM: EBV  
136 <400> SEQUENCE: 11  
137 Val Leu Lys Asp Ala Ile Lys Asp Leu

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138 1 5  
141 <210> SEQ ID NO: 12  
142 <211> LENGTH: 9  
143 <212> TYPE: PRT  
144 <213> ORGANISM: EBV  
146 <400> SEQUENCE: 12  
147 Phe Met Val Phe Leu Gln Thr His Ile  
148 1 5  
151 <210> SEQ ID NO: 13  
152 <211> LENGTH: 9  
153 <212> TYPE: PRT  
154 <213> ORGANISM: EBV  
156 <400> SEQUENCE: 13  
157 His Leu Ile Val Asp Thr Asp Ser Leu  
158 1 5  
161 <210> SEQ ID NO: 14  
162 <211> LENGTH: 9  
163 <212> TYPE: PRT  
164 <213> ORGANISM: EBV  
166 <400> SEQUENCE: 14  
167 Ser Leu Gly Asn Pro Ser Leu Ser Val  
168 1 5  
171 <210> SEQ ID NO: 15  
172 <211> LENGTH: 9  
173 <212> TYPE: PRT  
174 <213> ORGANISM: EBV  
176 <400> SEQUENCE: 15  
177 Pro Leu Ala Ser Ala Met Arg Met Leu  
178 1 5  
181 <210> SEQ ID NO: 16  
182 <211> LENGTH: 9  
183 <212> TYPE: PRT  
184 <213> ORGANISM: EBV  
186 <400> SEQUENCE: 16  
187 Arg Met Leu Trp Met Ala Asn Tyr Ile  
188 1 5  
191 <210> SEQ ID NO: 17  
192 <211> LENGTH: 9  
193 <212> TYPE: PRT  
194 <213> ORGANISM: EBV  
196 <400> SEQUENCE: 17  
197 Met Leu Trp Met Ala Asn Tyr Ile Val  
198 1 5  
201 <210> SEQ ID NO: 18  
202 <211> LENGTH: 9  
203 <212> TYPE: PRT  
204 <213> ORGANISM: EBV  
206 <400> SEQUENCE: 18  
207 Ile Leu Pro Gln Gly Pro Gln Thr Ala

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Input Set : A:\MANNK.001CP2.TXT  
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208 1 5  
211 <210> SEQ ID NO: 19  
212 <211> LENGTH: 9  
213 <212> TYPE: PRT  
214 <213> ORGANISM: EBV  
216 <400> SEQUENCE: 19  
217 Pro Leu Arg Pro Thr Ala Pro Thr Ile  
218 1 5  
221 <210> SEQ ID NO: 20  
222 <211> LENGTH: 9  
223 <212> TYPE: PRT  
224 <213> ORGANISM: EBV  
226 <400> SEQUENCE: 20  
227 Pro Leu Pro Pro Ala Thr Leu Thr Val  
228 1 .5  
231 <210> SEQ ID NO: 21  
232 <211> LENGTH: 9  
233 <212> TYPE: PRT  
234 <213> ORGANISM: EBV  
236 <400> SEQUENCE: 21  
237 Arg Met His Leu Pro Val Leu His Val  
238 1 5  
241 <210> SEQ ID NO: 22  
242 <211> LENGTH: 9  
243 <212> TYPE: PRT  
244 <213> ORGANISM: EBV  
246 <400> SEQUENCE: 22  
247 Pro Met Pro Leu Pro Pro Ser Gln Leu  
248 1 5  
251 <210> SEQ ID NO: 23  
252 <211> LENGTH: 9  
253 <212> TYPE: PRT  
254 <213> ORGANISM: EBV  
256 <400> SEQUENCE: 23  
257 Gln Leu Pro Pro Pro Ala Ala Pro Ala  
258 1 5  
261 <210> SEQ ID NO: 24  
262 <211> LENGTH: 9  
263 <212> TYPE: PRT  
264 <213> ORGANISM: EBV  
266 <400> SEQUENCE: 24  
267 Ser Met Pro Glu Leu Ser Pro Val Leu  
268 1 5  
271 <210> SEQ ID NO: 25  
272 <211> LENGTH: 9  
273 <212> TYPE: PRT  
274 <213> ORGANISM: EBV  
276 <400> SEQUENCE: 25  
277 Asp Leu Asp Glu Ser Trp Asp Tyr Ile

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Input Set : A:\MANNK.001CP2.TXT  
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278 1 5  
281 <210> SEQ ID NO: 26  
282 <211> LENGTH: 9  
283 <212> TYPE: PRT  
284 <213> ORGANISM: EBV  
286 <400> SEQUENCE: 26  
287 Pro Leu Pro Cys Val Leu Trp Pro Val  
288 1 5  
291 <210> SEQ ID NO: 27  
292 <211> LENGTH: 9  
293 <212> TYPE: PRT  
294 <213> ORGANISM: EBV  
296 <400> SEQUENCE: 27  
297 Ser Leu Glu Glu Cys Asp Ser Glu Leu  
298 1 5  
301 <210> SEQ ID NO: 28  
302 <211> LENGTH: 9  
303 <212> TYPE: PRT  
304 <213> ORGANISM: EBV  
306 <400> SEQUENCE: 28  
307 Glu Ile Lys Arg Tyr Lys Asn Arg Val  
308 1 5  
311 <210> SEQ ID NO: 29  
312 <211> LENGTH: 9  
313 <212> TYPE: PRT  
314 <213> ORGANISM: EBV  
316 <400> SEQUENCE: 29  
317 Gln Leu Leu Gln His Tyr Arg Glu Val  
318 1 5  
321 <210> SEQ ID NO: 30  
322 <211> LENGTH: 9  
323 <212> TYPE: PRT  
324 <213> ORGANISM: HCV-1  
326 <400> SEQUENCE: 30  
327 Leu Leu Gln His Tyr Arg Glu Val Ala  
328 1 ~ 5  
331 <210> SEQ ID NO: 31  
332 <211> LENGTH: 9  
333 <212> TYPE: PRT  
334 <213> ORGANISM: EBV  
336 <400> SEQUENCE: 31  
337 Leu Leu Lys Gln Met Cys Pro Ser Leu  
338 1 5  
341 <210> SEQ ID NO: 32  
342 <211> LENGTH: 9  
343 <212> TYPE: PRT  
344 <213> ORGANISM: EBV  
346 <400> SEQUENCE: 32  
347 Ser Ile Ile Pro Arg Thr Pro Asp Val

RAW SEQUENCE LISTING ERROR SUMMARY  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:142; Xaa Pos. 4,8  
Seq#:359; Xaa Pos. 4,8  
Seq#:540; Xaa Pos. 1  
Seq#:552; Xaa Pos. 2,4,5,6,7,8  
Seq#:554; Xaa Pos. 4,5,6,7,8  
Seq#:555; Xaa Pos. 5,6,7,8  
Seq#:556; Xaa Pos. 6,7,8  
Seq#:557; Xaa Po's. 7,8  
Seq#:558; Xaa Pos. 8

**VERIFICATION SUMMARY**  
PATENT APPLICATION: US/09/776,232DATE: 02/16/2005  
TIME: 15:41:10Input Set : A:\MANNK.001CP2.TXT  
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L:1452 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:142 after pos.:0  
L:3627 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:359 after pos.:0  
L:5442 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:540 after pos.:0  
L:5567 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:552 after pos.:0  
L:5592 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:554 after pos.:0  
L:5607 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:555 after pos.:0  
L:5622 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:556 after pos.:0  
L:5637 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:557 after pos.:0  
L:5652 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:558 after pos.:0